

84-302225/49	J02 P78	FAST- 27.05.83 *EP -127-569-A	J(2-A2)	068
FAST SPA 27.05.83-IT-021981 (05.12.84) B01f-07 B44d-03 Appar. for stirring paint in cans - comprises cabinet with open front housing several slidable shelves units				
C84-128644 D/S: AT BE CH DE FR GB LI NL SE				
<b>CLAIMED APPARATUS</b> Paint in cans (3) equipped with their own stirrers are stirred continuously by appr. comprising a cabinet (1) having an open front which houses two or more side-by-side slidable shelves units (2). The shelves of the units (2) are of conventional design for continuously stirring paint in the cans (3).				
<b>ADVANTAGE</b> Compact appr. which accommodates max. number of cans in min. space.				
<b>PREFERRED</b> Pref. the shelves units (2) slide on tracks or run on wheels, and have handles (5) for manually moving them or are power-operated. (8pp006RBHDwgNol/1). (E) ISR: No Search Report				
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(54) A stirring apparatus structure for continuously stirring paint in can packages.

(57) The apparatus comprises a cabinet (1) including a parallelepipedal box-like body extending mainly in the vertical direction and being open on one side and sized to slidably accommodate in side-by-side positions two or more equipped shelves (2) of conventional design for continuously stirring can packaged paint, the cabinet (1) being provided, at the bottom and upper wall thereof, with internal guides or runways adapted to slidably accommodate a given number of shelves (2) having corresponding slides or wheels.

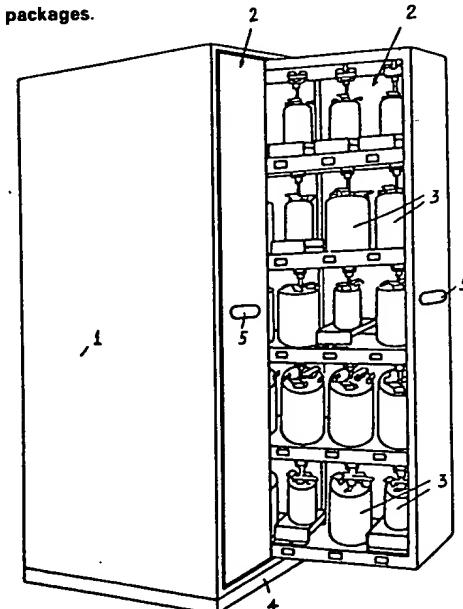


FIG. 1

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forth by the operator in order to pick up individual paint cans to be mixed in conformity with preset formulations for the achievement of a desired color shade.

It is an object of this invention to obviate such prior drawbacks by providing a stirring apparatus structure which, for a given number of paint cans held under agitation, has drastically reduced overall dimensions over similar apparatus of conventional design.

A further object of the invention is to provide a stirring apparatus structure which allows picking up of individual cans from either sides of an installed shelf.

It should be noted that this device is provided with suitable safety switches which permit operation of the stirring devices only with the individual shelves in the closed condition.

This device has the additional feature that it can be enclosed, thus preventing release of emissions to the environment. To that aim, a special suction fan is provided which is connected to a duct leading to the outside of the working area.

The various vessels placed within the cabinet are also protected against dust and other contaminants which always appear at a working area.

Another object of this invention is to provide a stirring apparatus which enables the operator to have practically within his/her reach all of the cans

to be picked up.

These and other objects, such as will be apparent hereinafter, are achieved by a stirring apparatus structure according to the invention, characterized in that it comprises in essence a cabinet including a parallelepipedal box-like body extending mainly in the vertical direction and being open on one side and sized to slidably accommodate in side-by-side positions two or more equipped shelves of conventional design for continuously stirring can packaged paint.

Further features and advantages of the stirring apparatus structure according to this invention will be more clearly understood from the following description of a preferred embodiment thereof, as illustrated by way of example only in the accompanying drawing, where:

Figure 1 shows a perspective view of this stirring apparatus structure with one of the equipped shelves partly withdrawn from the cabinet.

Making reference to the drawing view, the present stirring apparatus structure results from the combination of a cabinet 1 having two or more equipped shelves 2, of a substantially known type which are effective to subject paint, as packaged in cans 3, to continuous agitation, said cans being orderly arrayed on the shelf decks.

The cabinet includes a parallelepipedal box-like body mounted on a base 4 and has correlated dimensions

CLAIMS

1. A stirring apparatus structure for continuously stirring paint in can packages, characterized in that it comprises in essence a cabinet including a parallelepipedal box-like body extending mainly in the vertical direction and being open on one side and sized to slidably accommodate in side-by-side positions two or more equipped shelves of conventional design for continuously stirring can packaged paint.

2. A stirring apparatus structure according to Claim 1, characterized in that said cabinet is provided, at the bottom and upper wall thereof, with internal guides or runways adapted to slidably accommodate a given number of shelves having corresponding slides or wheels.

3. A stirring apparatus structure according to the preceding claims, characterized in that said equipped shelves are provided, at the outer wall thereof, with handgrips, or knobs, or the like, adapted to permit withdrawal from the cabinet and suitable stops effective to prevent complete withdrawal thereof.

4. A stirring apparatus structure according to the preceding claims, characterized in that the outward and inward movements of said shelves may be automated by means of either electro-mechanical, or hydraulic, or pneumatic systems, or by means of other functionally equivalent devices.

5. A stirring apparatus structure according to one or more of the preceding claims, characterized in that it is provided with appropriate safety switches

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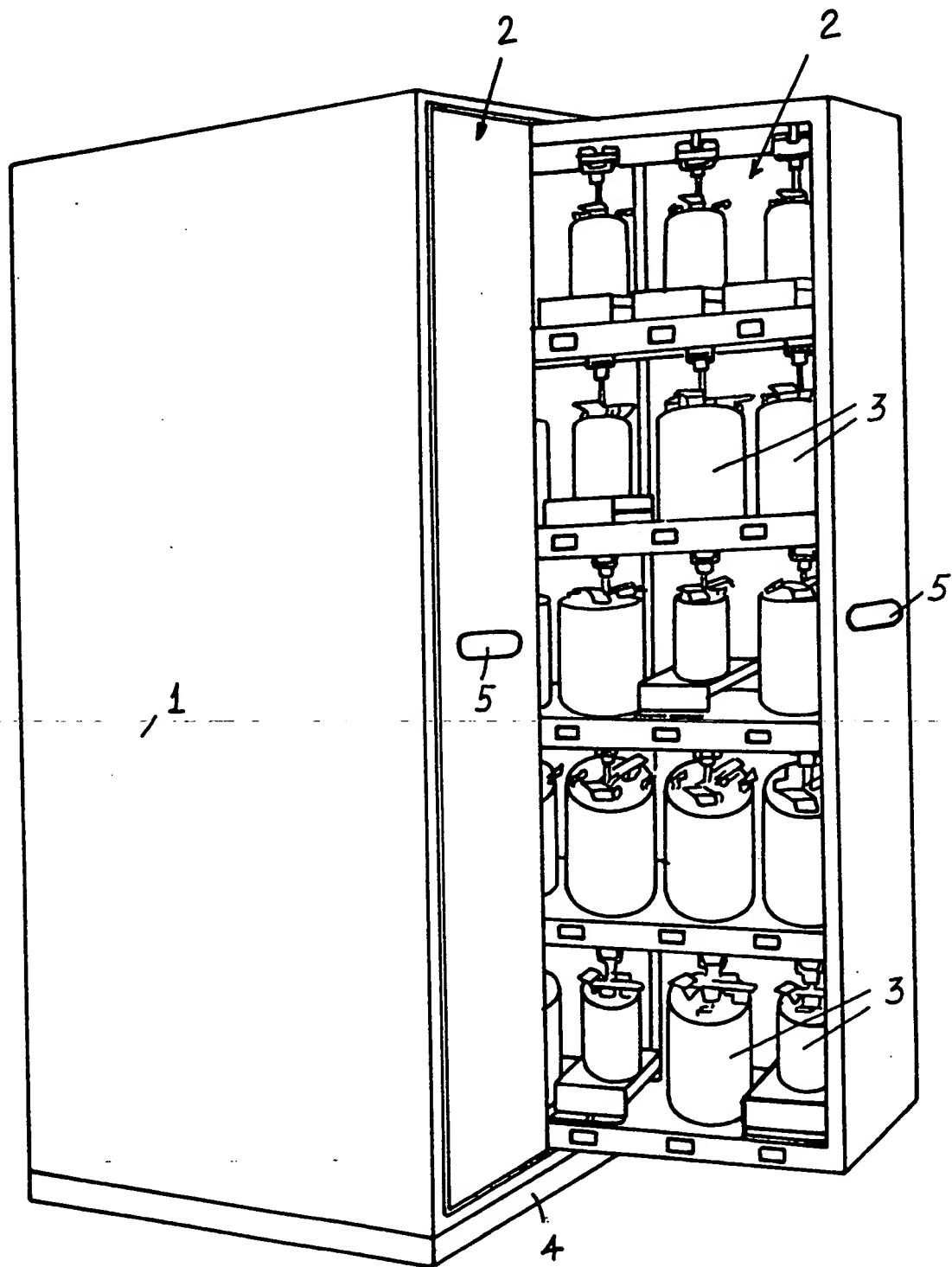


FIG. 1